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*The Geological Society of America.*—December 26–29. Acting president, Professor W. M. Davis, Harvard University; secretary, Professor Herman L. Fairchild, Rochester, N. Y.

*The Association of American Geographers.*—December 31–January 1. President, Cyrus C. Adams, New York City; secretary, Albert P. Brigham, Colgate University.

*The American Society of Zoologists.*—December 27, 28, 29. President (Eastern Branch), Professor W. E. Castle, Harvard University; secretary, Professor H. S. Pratt, Haverford College. President (Central Branch), Professor C. C. Nutting, University of Iowa; secretary, Professor T. G. See, University of Michigan.

*The Association of Economic Entomologists.*—President, A. H. Kirkland, Malden, Mass.; secretary, A. F. Burgess, Columbus, O.

*The Society of American Bacteriologists.*—President, Dr. E. F. Smith, U. S. Department of Agriculture; secretary, Professor S. C. Prescott, Massachusetts Institute of Technology.

*The American Physiological Society.*—December 27, 28, 29. President, Professor W. H. Howell, the Johns Hopkins University; secretary, Professor Lafayette B. Mendel, 18 Trumbull St., New Haven, Conn.

*The Association of American Anatomists.*—December, 27, 28, 29. Professor G. Carl Huber, 333 East Ann St., Ann Arbor, Mich.

*The Botanical Society of America.*—December 27, 28, 29. President, Dr. F. S. Earle; secretary, Dr. William Trelease, Missouri Botanical Garden, St. Louis, Mo.

*The American Psychological Association.*—December 27–28. President, Professor James R. Angell, University of Chicago; secretary, Professor Wm. Harper Davis, Lehigh University.

*The American Philosophical Association.*—December 27–29. President, Professor William James, Harvard University; secretary, Professor John Grier Hibben, Princeton University.

*The American Anthropological Association.*—December 27–January 3. President, Professor F. W. Putnam, Harvard University; secretary, Dr. Geo. Grant MacCurdy, Yale University, New Haven, Conn.

*The American Folk-lore Society.*—December 27–January 3. President, Dr. A. L. Kroeber, University of California; secretary, W. W. Newell, Cambridge, Mass.

*New York State Science Teachers Association.*—December 26, 27. Secretary, John F. Woodhull, Teachers College, Columbia University.

#### SCIENTIFIC NOTES AND NEWS.

A MEETING to commemorate the life and services of Samuel Pierpont Langley, secretary of the Smithsonian Institution from 1887 to 1906, will be held in the lecture room of the United States National Museum on Mon-

day evening, December 3, at 8:15 o'clock. The following addresses will be delivered: 'Introductory Remarks,' by the chancellor of the Smithsonian Institution, the Honorable Melville W. Fuller, Chief Justice of the United States; 'Memorial on Behalf of the Board of Regents,' by the Honorable Andrew D. White, LL.D.; 'Mr. Langley's Contributions to Astronomy and Astrophysics,' by Professor E. C. Pickering, director of the Harvard College Observatory; 'Mr. Langley's Contributions to Aerodynamics,' by Octave Chanute, Esq., of Chicago.

THE Alumni Association of New York University has planned a testimonial to Professor J. J. Stevenson on the completion of thirty-five years of service as professor of geology in the university. A dinner will be given in his honor on December 7 at the Hotel Astor, and a silver loving cup will be presented to him.

THE formal presentation of the new portrait of President James B. Angell, of the University of Michigan, will take place on Saturday afternoon, December 8, in University Hall, Ann Arbor. This painting, which is by William M. Chase, of New York, is the gift to the university of the students, faculty and alumni. The picture will be presented to the university by Professor Henry M. Bates, of the law department, on behalf of all the thousands of donors, while the formal acceptance will be made by Regent Loyal E. Knappen. A formal address will also be delivered on that occasion by Professor Jeremiah W. Jenks, of Cornell University, an alumnus of the university.

SIR VICTOR HORSLEY, who has been connected with University College, London, as a student and as a teacher for thirty years, has resigned his professorship of clinical surgery and his position as surgeon to the hospital on account of increasing public and private professional duties. The council, in accepting his resignation, adopted unanimously the following resolution: "That the council, having received with great regret Sir Victor Horsley's resignation of his professorship of clinical surgery and his position of surgeon to University College Hospital, whereby his offi-

cial connection with the college is severed, desire to put on record their recognition of his long service to the college and the distinction he has conferred upon it by his eminence as a scientific investigator."

ACCORDING to *Nature*, the honors conferred by King Edward on the occasion of his sixty-fifth birthday appear to be mainly for political services, and there is little recognition of the claims of science. Mr. John Tweedy, president of the Royal College of Physicians, has received the honor of knighthood; Colonel R. C. Hellard, director-general of the Ordnance Survey, and Mr. F. G. Ogilvie, principal assistant secretary (Technology and Higher Education in Science and Art) Board of Education, have been appointed Companions of the Order of the Bath; Colonel D. A. Johnston, formerly director-general of the Ordnance Survey, has been appointed a Knight Commander of the Order of Saint Michael and Saint George; Professor R. W. Boyce, F.R.S., has received the honor of knighthood; and Dr. J. M. Lang, vice-chancellor and principal of the University of Aberdeen, has been appointed a Commander of the Royal Victorian Order.

Dr. William Osler, of Oxford University, will sail for America on November 28, to visit Toronto, Baltimore and other cities.

Dr. W. A. KELLERMAN, of the Ohio State University, will shortly make his third collecting trip to Guatemala for the purpose of collecting parasitic fungi, returning next March or April. He will be accompanied by two student assistants, and will be glad to execute any minor commissions of specialists so far as possible.

Dr. MEL. T. COOK, who recently resigned his position as chief of the department of plant pathology of the Central Agricultural Experiment Station of Cuba, expects to devote several months to studies at the New York Botanical Garden.

Dr. J. C. W. FRAZER, of the Johns Hopkins University, has been appointed head of the research department of the United States Fuel-testing Plant, temporarily located at St. Louis, Mo.

Dr. E. B. COPELAND, who has been connected with the government laboratories at Manila, has been elected horticulturist of the West Virginia station and will enter on his work about the middle of November. He is a graduate of Leland Stanford University, and previous to going to Manila was instructor in botany in this university.

Dr. J. K. SMALL, of the New York Botanical Garden, left for Southern Florida, on October 23, accompanied by Mr. J. J. Carter. Dr. Small will continue his investigations of the flora of this region.

Dr. W. MORRIS TRAVERS, F.R.S., late professor of chemistry at Bristol University College, left Marseilles, on November 2, in the mail steamer *Victoria*, for Bangalore, to take up his work as first director of the Indian Institute of Science, to which he has been appointed by Mr. Morley, on the recommendation of the Royal Society.

THE Gedge prize of Cambridge University has been awarded to Patrick Playfair Laidlaw, B.A., of St. John's College, for his essay entitled, 'Some Observations on Blood Pigments.'

Dr. E. A. MINCHIN, professor of protozoology in the University of London, delivered his inaugural address at the university on November 15. The subject was 'The Scope and Problems of Protozoology.'

Dr. WILLIAM H. CHANDLER, emeritus professor of chemistry at Lehigh University, died on November 23, aged sixty-five years.

THERE will be a civil service examination on December 12-13, to fill a vacancy in the position of miscellaneous piecework computer in the Naval Observatory. The department states that miscellaneous computers are paid by the hour, and earn from \$800 to \$1,000 per annum. An examination will also be held for the position of forest assistant in the Forest Service at a salary of \$900 a year.

THE nineteenth annual meeting of the Geological Society of America will be held in New York City on December 26-29. The opening session on Wednesday will take place at Columbia University, Schermerhorn Hall, and will be called to order at 2 o'clock P.M.,

by Acting-President Davis. There will be no session on Thursday, the opening day of the American Association for the Advancement of Science, unless the council decides otherwise. The sessions of Friday and Saturday will be held at the American Museum of Natural History, 77th Street and Central Park, West. The customary dinner will probably occur on Friday evening, December 28. Under the rule securing rotation of subjects the order of papers at this meeting will be as follows: physiographic, cartographic, economic, physical and structural, glacial, stratigraphic, areal, paleontologic, petrographic. The meeting of the Cordilleran Section will be held on December 28 and 29, at Stanford University, California.

THE American Breeders' Association will hold its regular winter meeting at Columbus, Ohio, January 15-18, 1907. The sessions will be held at the university and board of trade buildings.

THE annual public meeting of the Academic Chambers composing the Institute of France was held on October 25, under the presidency of M. Gedhardt, who, after an allusion to the members of the institute who had died since the last meeting, announced that the linguistic prize had been won by Professor Jespersen, of the University of Copenhagen, for a treatise on comparative philology.

THE foundation-stone of the new German National Museum at Munich was laid by the German Emperor on November 13, in the presence of a distinguished and representative company.

THE collection of shells of British Mollusca, comprising about 5,600 specimens, belonging to the late Mr. Richard Rimmer, has been presented to the natural history department of the Royal Scottish Museum, Edinburgh.

THE Carnegie Museum has acquired by purchase a fine skull, with the horn-cores and horns ensheathing them, of *Bison crassicornis* Richardson. It was found in gold-bearing gravel at the bottom of a mine on Sulphur Creek forty miles east of Dawson. Associated with it were the remains of a mammoth. It is probably the most perfect specimen repre-

senting this huge creature which has thus far been discovered.

THE fire which recently occurred at the Carnegie Institute in Pittsburgh was confined to the new engine-room, and the only damage done was to the great switchboard which runs along the north wall of the room. The splendid collections of the institute were never for one moment in any danger, as the building is practically fireproof. The damage consisted in the charring and burning of the insulation of the wires on the switchboard, which had not yet been taken over from the firm which had contracted for the installation. The origin of the fire is a mystery, as there was no current on any of the wires and there could have been no crossed wires. The loss will amount to a heavy sum, but the delay in completing the electrical equipment of the building which must result is a still more serious matter.

THE paleontological expedition of the Carnegie Museum to northwestern Wyoming, undertaken during the past summer under the direction of Mr. Roy L. Moodie, fellow in paleontology of the University of Chicago, assisted by Mr. E. B. Bartholow of the University of Kansas, has secured what is perhaps the best collection of plesiosaurian and amphiœlian crocodile remains ever brought together in any American museum. The beds explored were the Hailey shales of the upper Benton Cretaceous, described by Professor Williston in *SCIENCE* for October 20, 1905, and the explorations were made under his advice. The material collected, weighing more than five tons, includes two nearly complete skeletons, with excellent skulls, of plesiosaurs, one of the *Trinacromerum* type, the other of a broad-headed, short-necked form; about twenty-five other specimens of plesiosaurs, representing most parts of the skeleton; several specimens of hollow-boned amphiœlian crocodiles, probably either *Teleorhinus* or *Hyposaurus*, one of them a nearly complete skeleton with skull; a number of excellent turtles having well ossified carapaces and plastrons, perhaps allied to *Toxochelys*, and doubtless new to science; a small reptilian skull a few inches in length, of undetermined

relationships; and some fish remains. This material when worked out will add very materially to our knowledge of the marine Cretaceous fauna, and especially to our knowledge of the plesiosaurs of America.

YALE UNIVERSITY has appropriated a sum sufficient to cover the cost of publishing in book form the Mathematical Society's colloquium in New Haven last September. This is to be issued as a Yale publication. Copies will be forwarded to all subscribing members of the society and the remainder of the edition will be placed at the disposal of the librarian of the university for exchange and other purposes.

WITH the view of bringing together the cattle and most of the deer in the London Zoological Gardens the authorities have constructed a range of buildings in the south garden, between the lion-house and the pheas-antries. The former deer-sheds have been improved and others built at the eastern end, the latter being furnished with paddocks corresponding to those of the older structure. South of this, but under the same roof, the new cattle-sheds have been put up, and the land cleared by pulling down the old ones has been thrown into the five large paddocks.

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#### UNIVERSITY AND EDUCATIONAL NEWS.

PRESIDENT JOHN E. GOUCHER, of the Woman's College, Baltimore, Md., has deeded to the college his private residence for use as an administration building.

AN anonymous gift of \$50,000 has been received by Yale University to establish the John Slade Ely professorship in the medical school in memory of Professor Ely, who died in the spring.

A NEW science hall at the University of Mississippi is in process of construction. This will be a large three-story building, and it is hoped that it will be completed in time for the geological and other collections to be transferred next summer. Other buildings under construction are a hospital and four residences for professors.

THE annual meeting of the trustees of the Carnegie Foundation for the Advancement of Teaching was held at the offices of the foundation in New York on November 20. The executive officers of the foundation are Dr. Henry S. Pritchett, president, and T. Morris Carnegie, treasurer, while the general officers of the board itself are: *Chairman*, President Eliot; *vice-chairman*, President Jordan; *secretary*, President Thwing.

WE learn from the *Harvard Bulletin* that the Harvard Graduate School of Applied Science, which was established last spring, begins its work this fall with an enrolment of thirty students. Courses are offered leading to degrees in the following subjects: civil engineering, mechanical engineering, electrical engineering, mining, metallurgy, architecture, landscape architecture, forestry, physics, chemistry, zoology, geology. The school will differ from the Lawrence Scientific School in that a bachelor's degree will be required for admission, and original work will be done, as is true of the Graduate School, in relation to the department of arts and sciences. The new institution will give to Harvard students five-year courses in both departments, the first three in each case being undergraduate.

THE resignation of Professor James Lee Love as secretary of the Lawrence Scientific School of Harvard University was received and accepted, to take effect November 12, 1906.

THE establishment of a chair of economic geology in the Sheffield Scientific School of Yale University is announced, with the appointment of Professor John Duer Irving, professor of geology at Lehigh University, as the first incumbent; Dr. G. R. Wieland has been appointed lecturer in paleobotany.

DR. HERBERT J. WEBBER, director of plant-breeding investigations in the Department of Agriculture, has been appointed professor of plant biology in the College of Agriculture of Cornell University.

THE council of King's College, London, has appointed Mr. Arthur Whitfield, M.D., professor of dermatology.